

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050825AL\
 Data File : FE053729.D
 Signal(s) : FID1B.ch
 Acq On : 09 May 2025 01:33
 Operator : YP\AJ
 Sample : PB167906BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB167906BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/09/2025

Supervised By :mohammad ahmed 05/12/2025

Integration File: autoint1.e

Quant Time: May 09 07:22:35 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M

Quant Title : GC Extractables

QLast Update : Tue Apr 29 06:49:03 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.860	6486026	35.961 ug/ml
Spiked Amount 50.000		Recovery =	71.92%
12) S 1-chlorooctadecane (S...	13.304	5149196	38.093 ug/ml
Spiked Amount 50.000		Recovery =	76.19%
Target Compounds			
1) T n-Nonane (C9)	3.217	6177959	45.061 ug/ml
2) T n-Decane (C10)	4.474	6472017	46.785 ug/ml
3) T A~Naphthalene (C11.7)	6.182	7490540	49.624 ug/ml
4) T n-Dodecane (C12)	6.650	6683362	47.654 ug/ml
5) T A~2-methylnaphthalene...	7.283	6788287	45.466 ug/ml
6) T n-Tetradecane (C14)	8.486	6800816	48.477 ug/ml
7) T n-Hexadecane (C16)	10.098	6703985	46.776 ug/ml
8) T n-Octadecane (C18)	11.546	6642375	45.579 ug/ml
10) T n-Eicosane (C20)	12.860	6734472	46.281 ug/ml
11) T n-Heneicosane (C21)	13.472	6412536	44.272 ug/ml
13) T n-Docosane (C22)	14.060	6353635	44.030 ug/ml
14) T n-Tetracosane (C24)	15.157	13088774	91.122 ug/ml
15) T n-Hexacosane (C26)	16.190	6128994	43.275 ug/ml
16) T n-Octacosane (C28)	17.140	6383165	45.880 ug/ml
17) T n-Tricontane (C30)	18.031	6090793	43.757 ug/mlm
18) T n-Dotriacontane (C32)	18.862	5968662	43.469 ug/ml
19) T n-Tetratriacontane (C34)	19.647	6067302	46.566 ug/ml
20) T n-Hexatriacontane (C36)	20.389	5861497	46.429 ug/mlm
21) T n-Octatriacontane (C38)	21.121	5972978	49.027 ug/mlm
22) T n-Tetracontane (C40)	22.022	6125177	51.291 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
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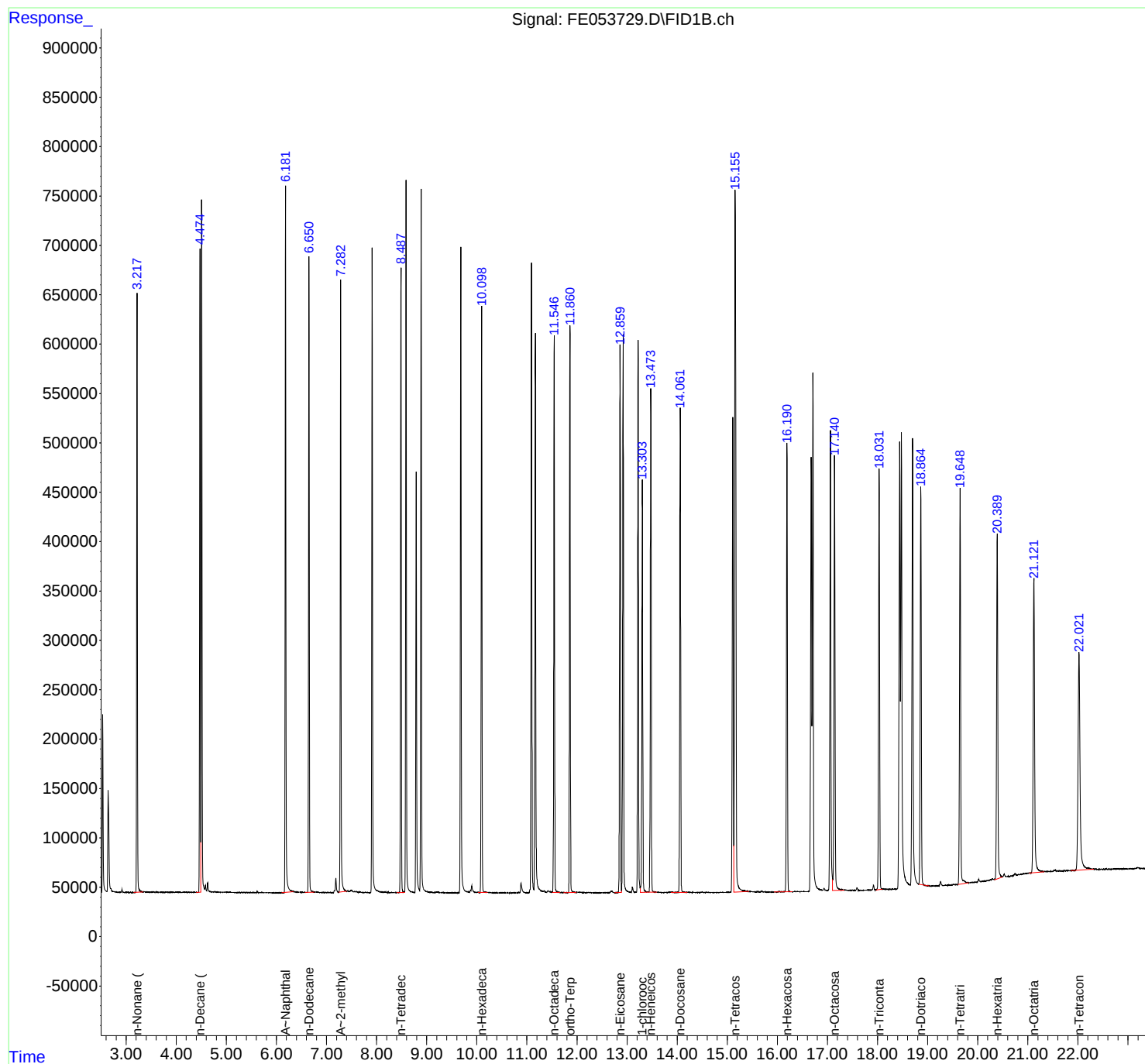
Instrument :
FID_E
ClientSampleId :
PB167906BS

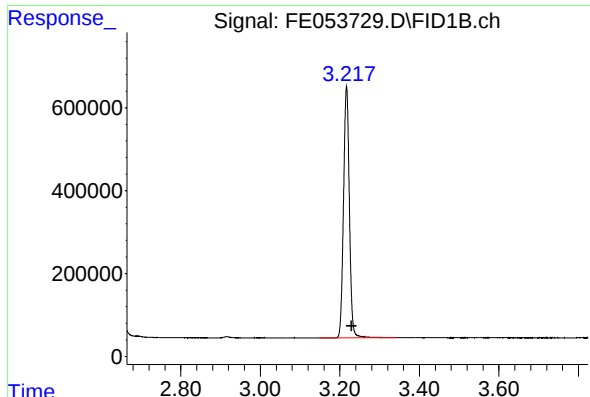
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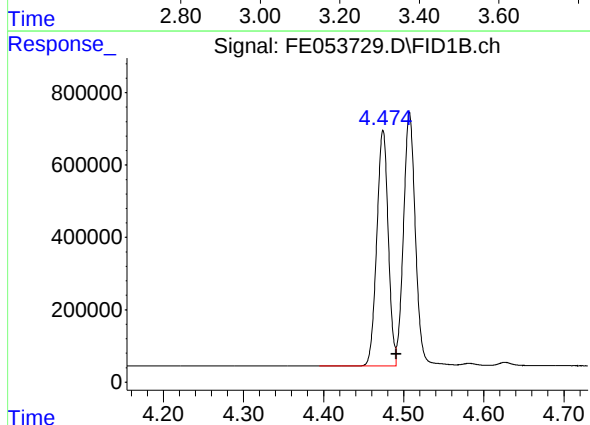
#1 n-Nonane (C9)

R.T.: 3.217 min
Delta R.T.: -0.013 min
Response: 6177959
Conc: 45.06 ug/ml

Instrument :
FID_E
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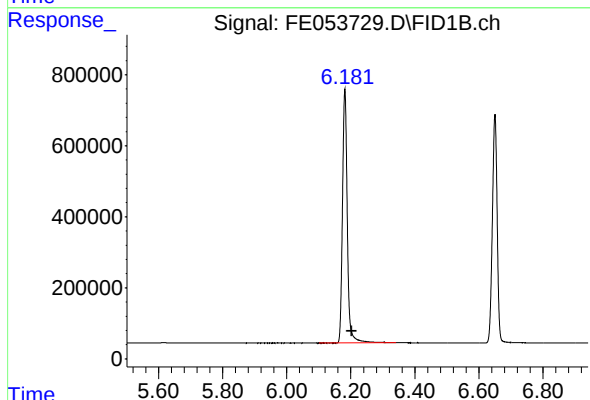
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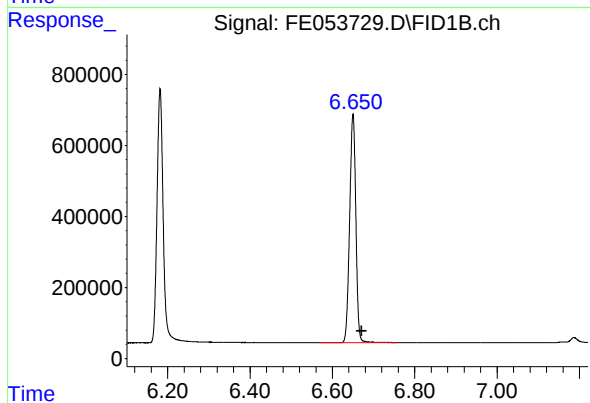
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: -0.017 min
Response: 6472017
Conc: 46.79 ug/ml



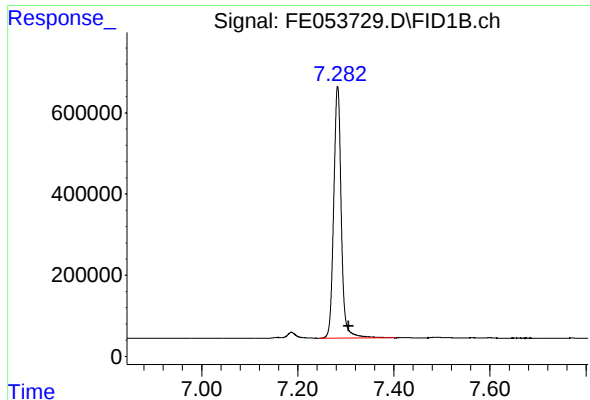
#3 A~Naphthalene (C11.7)

R.T.: 6.182 min
Delta R.T.: -0.022 min
Response: 7490540
Conc: 49.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.650 min
Delta R.T.: -0.021 min
Response: 6683362
Conc: 47.65 ug/ml



#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.283 min
Delta R.T.: -0.023 min
Response: 6788287
Conc: 45.47 ug/ml

Instrument :

FID_E

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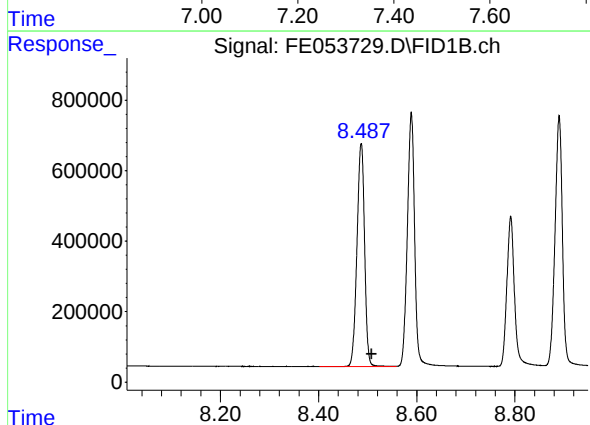
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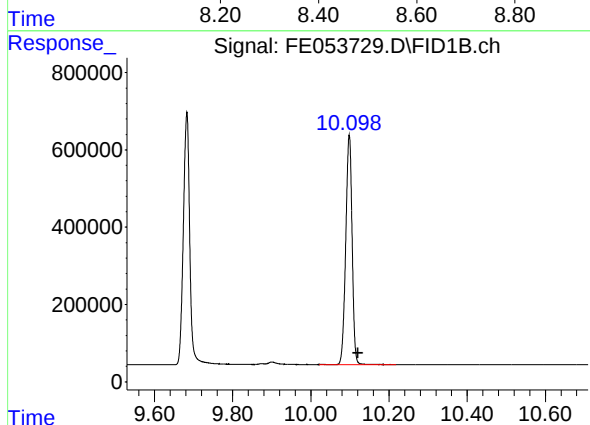
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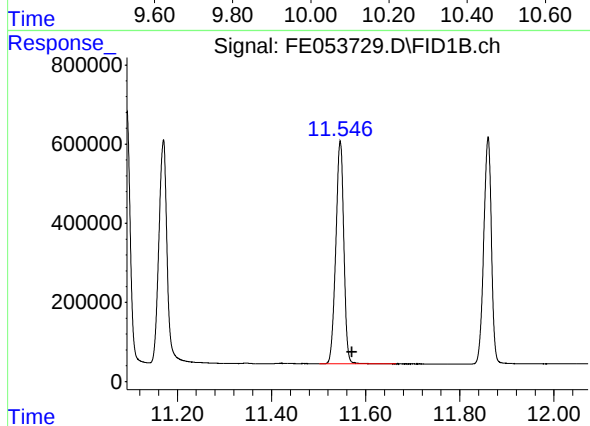
#6 n-Tetradecane (C14)

R.T.: 8.486 min
Delta R.T.: -0.021 min
Response: 6800816
Conc: 48.48 ug/ml



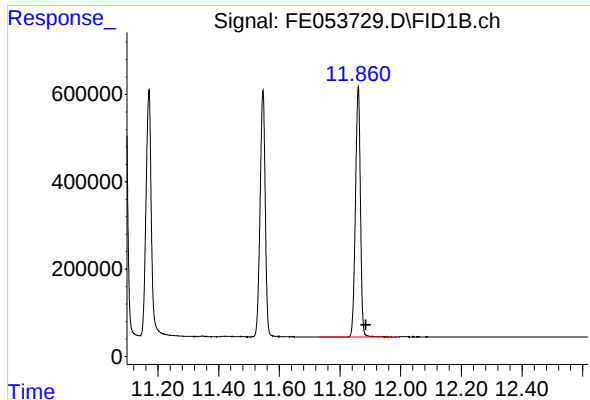
#7 n-Hexadecane (C16)

R.T.: 10.098 min
Delta R.T.: -0.023 min
Response: 6703985
Conc: 46.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.546 min
Delta R.T.: -0.025 min
Response: 6642375
Conc: 45.58 ug/ml



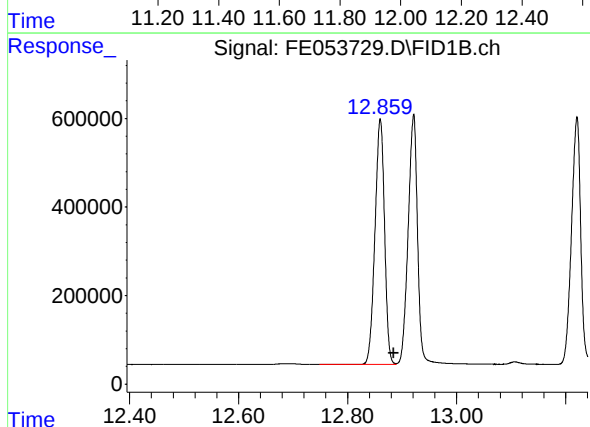
#9 ortho-Terphenyl (SURR)

R.T.: 11.860 min
Delta R.T.: -0.026 min
Response: 6486026
Conc: 35.96 ug/ml

Instrument :
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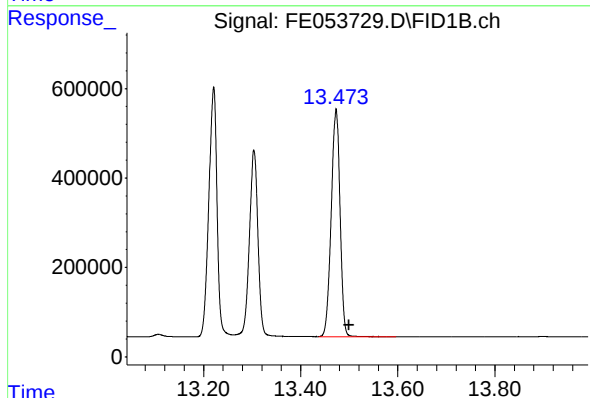
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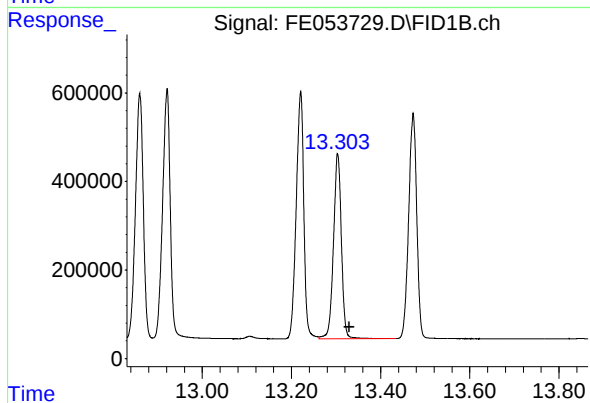
#10 n-Eicosane (C20)

R.T.: 12.860 min
Delta R.T.: -0.025 min
Response: 6734472
Conc: 46.28 ug/ml



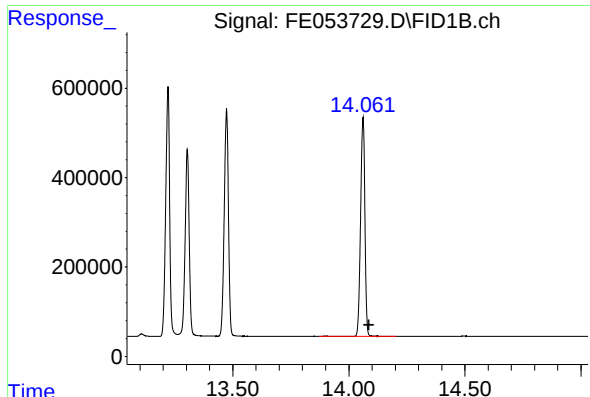
#11 n-Heneicosane (C21)

R.T.: 13.472 min
Delta R.T.: -0.027 min
Response: 6412536
Conc: 44.27 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.304 min
Delta R.T.: -0.027 min
Response: 5149196
Conc: 38.09 ug/ml



#13 n-Docosane (C22)

R.T.: 14.060 min
Delta R.T.: -0.027 min
Response: 6353635
Conc: 44.03 ug/ml

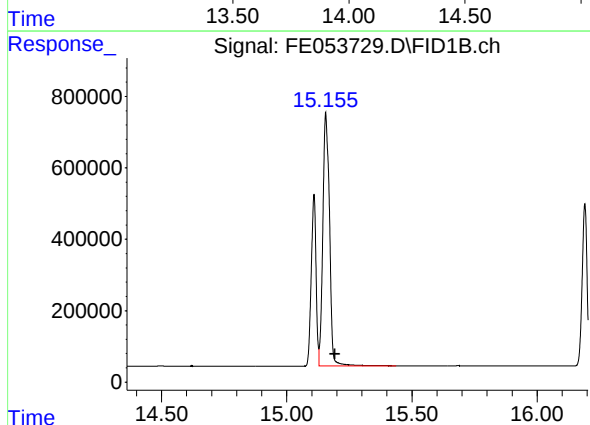
Instrument :

FID_E

ClientSampleId :
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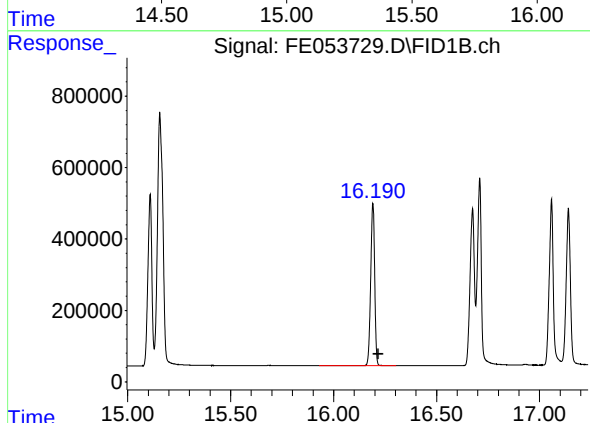
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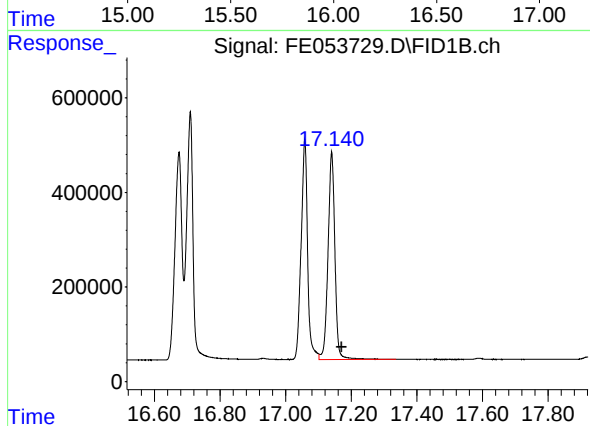
#14 n-Tetracosane (C24)

R.T.: 15.157 min
Delta R.T.: -0.037 min
Response: 13088774
Conc: 91.12 ug/ml



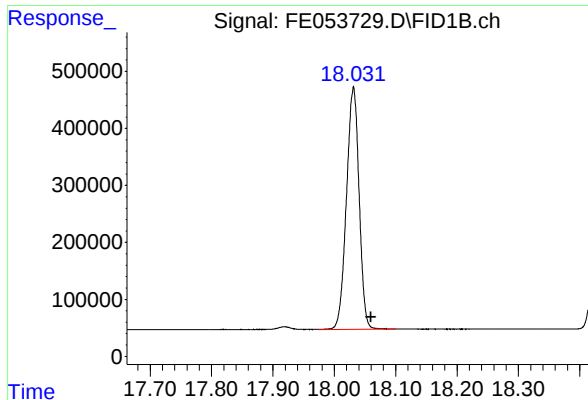
#15 n-Hexacosane (C26)

R.T.: 16.190 min
Delta R.T.: -0.028 min
Response: 6128994
Conc: 43.27 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.140 min
Delta R.T.: -0.030 min
Response: 6383165
Conc: 45.88 ug/ml



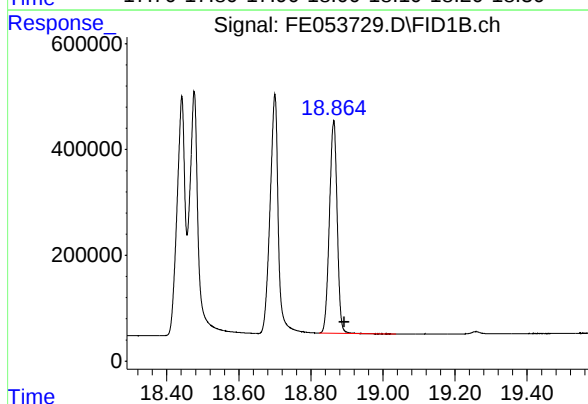
#17 n-Tricontane (C30)

R.T.: 18.031 min
Delta R.T.: -0.029 min
Response: 6090793
Conc: 43.76 ug/ml

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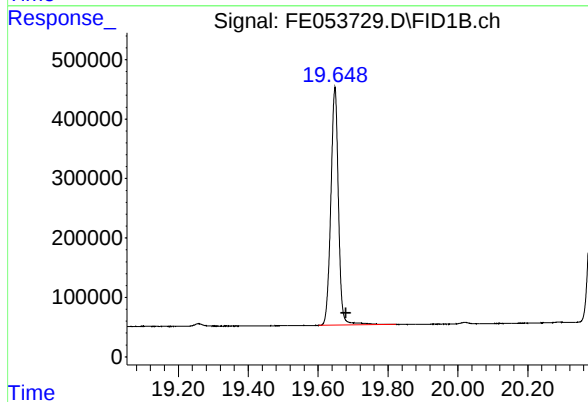
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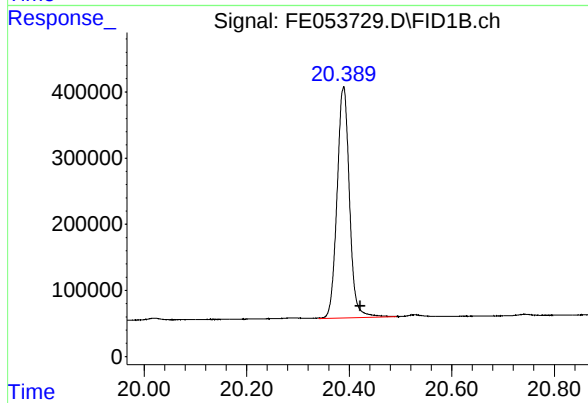
#18 n-Dotriacontane (C32)

R.T.: 18.862 min
Delta R.T.: -0.031 min
Response: 5968662
Conc: 43.47 ug/ml



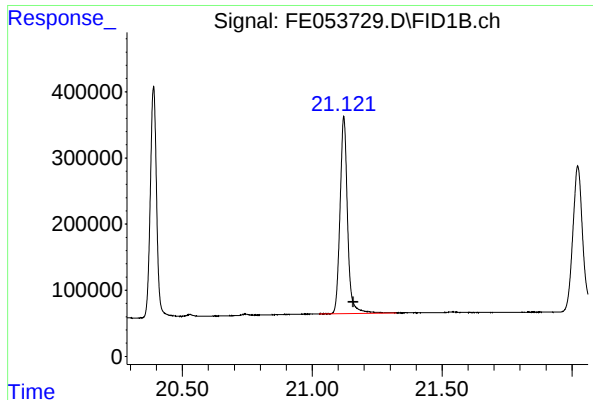
#19 n-Tetatriacontane (C34)

R.T.: 19.647 min
Delta R.T.: -0.032 min
Response: 6067302
Conc: 46.57 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.389 min
Delta R.T.: -0.033 min
Response: 5861497
Conc: 46.43 ug/ml m



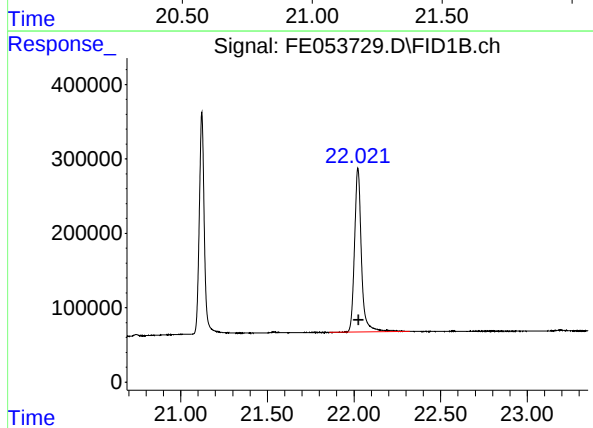
#21 n-Octatriacontane (C38)

R.T.: 21.121 min
Delta R.T.: -0.037 min
Response: 5972978
Conc: 49.03 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.022 min
Delta R.T.: -0.005 min
Response: 6125177
Conc: 51.29 ug/ml